

Nw 75

Impact of Computer Privacy Legislation

DATE December 2-5, 1975
SUBJECT 1975 DECUS Fall
Symposium
Los Angeles Hilton Hotel

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1975 FALL DECUS SYMPOSIUM

We would like to invite users of small and medium scale computers to participate in the upcoming 1975 Fall DECUS Symposium to be held December 2-5 at the Los Angeles Hilton Hotel. Specific details on the symposium are available and being distributed to those users who have returned the Meeting Information Reply Card. Included in this package of information is the detailed program and digest of minipaper pre-prints. If you would like this material and have not returned a reply card, an additional copy is printed within this newsletter. The Symposium Committee members and Special Interest Group Chairmen have each written descriptions to highlight their activities. The meeting promises to be one of the largest we have had and we look forward to seeing old friends, making new ones and generally having an enjoyable and productive time addressing the problems we encounter in our everyday work.

Over one hundred papers were submitted from users with an additional forty from the various Digital product lines. This has necessitated up to seven parallel sessions for the mini/midi section. Although we are sure most people will find some occasion where they wish to attend two papers at the same time, a great amount of effort was made to try to prevent conflicts and overlap.

As a special feature of the symposium, several sessions have been dedicated to the impact of the recent federal privacy legislation upon the computer community. These sessions will be held on Thursday and the morning sessions will be shared with the DECsystem-10 group. We hope that they will enable users to become aware of potential problems and solutions to federal control of computer activities. We may not have solutions yet, but presentation of the problem should aid in the solution.

We are honored to have as our keynote speaker, Mr. Keith Uncapher. Mr. Uncapher is the Director of the University of Southern California Information Sciences Institute at Marina Del Ray. This is a computer research center working in the areas of digital networks, man-machine communications and software systems. It is also an ARPA node and is configured with four PDP-10's, two PDP-11/45's and a special purpose emulator. Mr. Uncapher is also a Professor of Computer Science at USC, a member of the Air Force Scientific Advisory Board and a member of the Defense Communication Agency Scientific Advisory Group. The keynote address "Computers Computing and Communication - 1980 Style" will be delivered during lunch on Thursday, December 4th.

The schedule of papers is but a glance of the activities taking place at the Symposium. The two-fold goals of DECUS can be simply stated as encouraging communications between users and between users and Digital. The symposium provides a convenient focus for this communication. Some papers will be simple statements of accomplishment, others will be in-depth analysis of alternate approaches. All are grouped by subject area to encourage interaction between authors and audience.

As much as possible, sessions have been organized by Special Interest Groups who hold business meetings, tutorials and workshops at the semi-annual symposium. Special Interest Groups generally distribute newsletters during the year. Some have organized activities in other areas such as standards analysis and program library contributions. All have identified problem areas needing attention and new directions for future development they would like to discuss with Digital.

These groups then work with Digital representatives at the semi-annual symposia. Because the groups have coordinated the feedback, it is more likely to be acted upon. Similarly, at this time representatives from Digital can seek direction from users when they have several proposed in-house development alternatives and cannot pursue them all.

Generally speaking, Digital is represented by a member of the product development staff and a line manager in each area. Suggestions can be evaluated and commitments made at least in terms of priority-on-the-spot at the workshop. In the light of this interaction, the users can then coordinate their own development. It is not unusual for a group to then supplement Digital's in-house activities. For example, users have made substantial contributions to OS/8 and RSX-11 application program development.

Because we often have applications which must be supported by many different software or hardware products, we encourage you to read all of the descriptions to follow rather than just one which appears most directly related to your activities. There are many interesting sessions that while scheduled within one group, are actually of more general interest.

Digital currently plans to display several different computing systems. We expect to see at least one family representative of a PDP-12, PDP-8/e, PDP-11 and PDP-15. Users generally have an opportunity to run their own software on these systems, and generally engage in program swapping. In fact, in Miami, users and Digital software developers configured a PDP-8 network late one night.

In addition, we will be welcoming back representatives from the Logic Products Group who will discuss computer interfacing problems with users and will be demonstrating what MPS-8's are currently up to!

In closing our invitation, I'd like to describe the way symposia are being organized. We are under-going a transition in the society and the success of future symposia depends to a large extent on increased user participation in Special Interest Groups.

This is the second symposia that we have organized using a committee. The committee has attempted to coordinate the symposia at two distinct levels. First, authors explicitly mark a SIG or activity area when they are making their submission. A committee member for each area referees and coordinates their group's activities. In case they notice a void they then invite a member of their SIG to report on activities to complement those submissions. They coordinate the formal paper sessions and tutorials they are aware of with their business meetings and workshop activities to, in effect, set up an isolated symposium for each SIG area.

At the next level, a subcommittee coordinates these group sessions to produce the final schedule. It is difficult to construct this final schedule for several reasons. First, many users must interact with several groups relevant to their installation activity. Second, many Digital contributions come in very late because of an effort on their part to supply us with the latest information without prematurely disclosing new products. Third, some submissions are coded incorrectly. Finally, we have to coordinate user requests with some practical realities in coordinating Digital representation at the meetings. One representative for example, might be covering two diverse areas.

The resultant schedule, we hope, is one in which we have encouraged maximum participation and interaction between users and Digital while minimizing the inevitable conflicts which must arise. We welcome your comments and invite your participation and help in effecting this reorganization.

The symposia can serve as focal points for the activities of a Special Interest or Local User Group. However, in order to assure interaction and feedback, the individual groups have to assist the committee. These activities are an important supplement to the routine information channels in the field. We are organized to the extent that users can freely offer to help without either being swamped with work, or, even worse, ignored.

In addition, there is sufficient opportunity to experiment with new formats and new groupings of topics. Not only will we welcome your suggestions but if you wish to produce a special workshop or tutorial session, we'll do everything we can to assist you.

We look forward to discussing these issues as well as others related to the Society at the upcoming session in Los Angeles.

William J. Lennon, Ph.D.
DECUS Symposia Chairman

Roger Anderson
DECUS Symposia Associate Chairman

Maryann Oskirko
DECUS Symposia Coordinator

SIG-18

John Kosorok, SIG-18 Chairman

Users of 18-bit computers will find Wednesday and Thursday of the 1975 Fall DECUS Meeting of particular interest.

During the PDP-15 Product Panel, representatives from DEC will discuss the latest 18-bit products (XVM hardware and software) and review changes in software maintenance service policies.

All PDP-9 users and all PDP-15 ADSS and B/F users are urged to attend in order to evaluate upgrading to XVM products. Users are urged to raise policy-level questions and concerns.

The XVM Tutorial will feature an indepth discussion of XVM CPU's and XM15 upgrade options for PDP-15's. Topics to be discussed include: wide addressing, instruction lookahead, dual-porting and interleaved memories; and multiprocessor configurations.

RSX users will find the workshop an excellent opportunity to air common problems and solutions within the community of PDP-15 RSX users. DEC representatives will present XVM/RSX and compare and contrast it with earlier RSX products.

DOS users having less than 24K of core are urged to attend the DOS Workshop. To be discussed is the retirement of 3-series DOS. The Workshop will explore common problems and solutions. DEC representatives will compare and contrast XVM/DOS with earlier 18-bit DOS products.

During the ADSS B/F Workshop, DEC representatives will discuss the probable content of the final software maintenance services release of ADSS and B/F.

During the Unichannel Workshop the capabilities of the standard unichannel product will be discussed. A discussion will be conducted on the possibilities for non-standard unichannel products which XVM permits--bigger, faster PDP-11 CPU's, memory management, new peripherals and methods of using RSX-M in place of the standard unichannel PIREX executive.

The SIG-18 Meeting scheduled Friday morning will have two purposes: 1. to discuss SIG-18 operations and 2. to provide a forum so that DEC personnel and users concerned with 18-bit computers may exchange ideas.

MCPU SIG

Kevin McCue, MCPU SIG Chairman

Two sessions are scheduled for the Fall Symposium, which should be of special interest to multi-processor users. In the SIG Session, representatives from Computer Special Systems of DEC, will be on hand to answer questions concerning hardware and software. The future direction of the SIG will be discussed with special attention given to means of increasing the SIG responsiveness to user needs.

The second session will focus on work currently in process with presentations from both the user community and Computer Special Systems.



Val Skalabrin, EDUSIG Chairman

There are sessions of interest on hardware, systems and application software through DECUS week; but Friday, December 5th, is of particular interest to educators. The sessions are outlined below, progressing from the morning through the afternoon:

EDUSIG, DEC and NSF
Education Product Group
Computers in 1984
The Business Game
Managing a Computer Lab
Mini-School of Business
WATEDIT
On-Line Student Scheduling
Math Drill and Practice
Math Education Grades 1-8
Educational Computer Center
Self Tutor System

The first session of the day; "EDUSIG, DEC and NSF", is our EduSig business session, where we will install our new board of officers and, hopefully, have a lively interaction with a representative of the TIE group of NSF.

RSTS-11 SIG

Robert Branton, RSTS SIG Chairman

RSTS Users will find something for everyone this Fall at the 1975 Fall Symposium. New users will have an opportunity to interact with experienced RSTS users. A panel of RSTS SIG members will be available to offer suggestions, warnings and answer questions. It is intended to introduce new users to the activities of the SIG and existing user written application programs.

Barry Smith, from OMSI, will present a paper on the new RSTS/E run time system that can be used alongside BASIC-PLUS. This system simulates Digital's stand-alone RT-11 monitor.

The RSTS SIG Meeting is scheduled on Tuesday afternoon. This informal session will cover the scope of the newsletter, the user profiles, development of program standards for the DECUS Library, methods to aid new RSTS users and the formation of various functional committees within the SIG. Representatives from Digital will be available during the RSTS Product Panel scheduled on Wednesday to discuss with users, the current state of RSTS/E and planned enhancements and releases. Membership forms will be available during the meeting to join the SIG.

Carried over by popular demand, the RSTS Informal Discussion has been scheduled directly after the Product Panel. This session will provide the users with a forum to share ideas concerning programming techniques, file structures, and documentation requirements.

The Commercial RSTS sub-SIG Meeting has been scheduled on Wednesday. Topics to be discussed will include: semi-annual meeting of Commercial RSTS Users; a Workshop on the Commercial Aspect of RSTS and problems particular to programming commercial applications under RSTS; and a Commercial Swap Session.

RSTS V4 users will find a sub-SIG Meeting scheduled on Wednesday. The meeting will continue the discussions generated in Miami of problems unique to RSTS V4 users.

Now that Digital is ending support for V4, the possibility of joint efforts of the sub-group members to maintain and modify the operating system will be discussed.

RSTS Papers Sessions have been scheduled all day Thursday. Individual descriptions will be printed in the formal program.

RSTS users will find Los Angeles a highly interactive meeting. Join Us!

MUMPS

Tom McIntyre for MUMPS SIG

Two applications papers - Description of MUMPS and MUG by Joan Zimmerman, Overview similarities and differences between MUMPS 11 and MUMPS 15.

MUMPS activities are scheduled for Thursday afternoon; starting with an interesting pair of MUMPS application papers and continuing with a Tutorial on MUMPS Developments in General and the National MUMPS Users Group by Joan Zimmerman. The session will close with a Tutorial on MUMPS as implemented on the PDP-11 and 15 by Ron Ginger.

SIGIG

Bob Futrelle, SIGIG Chairman

Graphics day is Thursday, December 4th at the Fall DECUS Symposium.

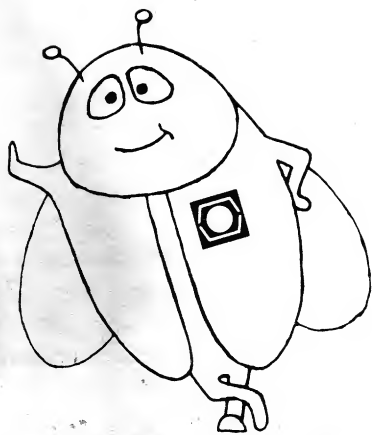
The New Graphics User Tutorial is designed to be useful to people at all levels. Equipment will be discussed first. Software techniques will follow, starting with high level languages and ending with assembler languages. The basics of simple interactive techniques will be outlined. File structure and editing, animation, 3-D calculation and interactive techniques are among some of the advance topics to be covered.

The SIGIG Session will discuss various needs of members, organization and actions of SIGIG. The newsletter will be discussed with respect to changes and improvements. The SIG involvement in the library will be covered.

An Interactive Antenna Design Program for a PDP-11 Based Computer Graphics System will be jointly presented by users from Concordia University and McGill University. The paper describes the software used to generate pattern approximations from the salient feature graphs on a PDP-11/20 with a Tektronix 613 graphics display. The program is written in BASIC/RT augmented by graphics routines developed by undergraduate electrical engineering students.

The PDP-11 Graphics Product Line will discuss a high-performance graphics processor which is an extension to the current GT4X family. Also covered will be other methods of CRT graphics.

A FORTRAN Graphics Library for the new DECGRAPHIC-11 high-performance display will be discussed as it relates to RT-11, RSXM and D.



DEBUG - DIGITAL EQUIPMENT BUSINESS USERS GROUP

Val Skalabrin, DEBUG Chairman

Wednesday, December 3rd, is DEBUG Day. We've scheduled a full day of sessions on business accounting; designed to give you exposure to the spectrum of knowledge needed for today's business systems.

1. "If Cr. is Credit, is Dr. Drebit?" - a primer on the language and principles of accounting.
2. "The Big-8 Accounting Firms" - a panel of representatives from Price-Waterhouse, Ernst & Ernst, and Coopers-Lybrand.
3. "A Workshop on General Ledger" - a system analyst's view of general ledger systems.
4. "Management's View of Accounting Systems" - a distinguished panel of corporate officers and their interpretation and use of accounting system reports.

This sequence of sessions will be followed Wednesday afternoon by the Business Products Panel, and the day will end with the DEBUG Business Meeting. Membership forms will be available at the DEBUG Business Session.

An outline of the full week and those sessions of particular interest to DEBUG members:

Tuesday: Business FORTRAN, DOS-11 General Ledger, 310/340 data File Management, 350 Workshop, Advanced DIBOL Workshop

Wednesday: General Ledger for CPA's 1) Primer 2) Big-8 3) General Ledger 4) Management, Product Panel, DEBUG Meeting

Thursday: RSTS/E data Management, Privacy Legislation, RSTS/E On-line parts explosion

Friday: Computer Networks Discussion

Come and join us, especially on Wednesday, and at the reception Wednesday evening!

OS/8 SIG

Tom McIntyre for OS/8 SIG

Bob Hassinger, OS/8 SIG Chairman

Users of the family of 8 computers will kick off with some interesting announcements from Jim Willis at the 8 Product Panel. Contrary to rumors, the 8 world is still growing and going strong. Jim's presentation will be followed by an introductory tutorial on OS/8 for the new user. The tutorial will merge into a session organized by Tim Clarke on OS/8 for the PDP-12 and how to get there from DIAL as painlessly as possible. This session will go further into the internals of OS/8 than the opening tutorial and will offer information of interest to all new OS/8 users. We will be attempting, in this workshop, to get as deep into specifics as the users require. We are recruiting people who will be prepared to assist with "on the spot" coding, in response to specific problems. This is scheduled to extend as far into the evening as necessary in small clusters.

On Wednesday, we will have a fine selection of application papers including some generally useful user generated hardware papers. Tuesday will close with an update on progress in OS/8 - RTS/8 with Stan Robinowitz incorporated into the OS/8 SIG meeting.

On Thursday, we have scheduled a Product Panel on Traditional Products and a session on software maintenance.

BIOMED SIG

Tom McIntyre for BIOMED SIG

Bruce Boraas, BIOMED SIG Chairman

We will begin concrete efforts toward a vertical integration of the Biomedical Interest area. In this regard, we will be coordinating Biomedical activities to allow individuals to hear some papers explaining MUMPS on Thursday afternoon and the session on Security and Privacy, Thursday morning. We have scheduled our special interest formal meeting to coincide with a session from Don Frost, of DEC, on organization of future Forums in the Biomedical area. DEC wants to make a real effort in this area and this session will be your chance for input. We have an excellent mix of Biomedical applications scheduled for all day Friday, in an effort not to conflict with the general PDP-8 sessions. The majority of the applications are PDP-12 oriented and those interested will be glad to hear that TPL will be bringing a PDP-12 to the meeting, if at all possible. In this same area, the OS/8 group and Tim Clarke have organized a session on Tuesday on Converting Systems from DIAL to OS/8 (see OS/8 overview). There is an interesting group of film studies on interactive graphics and artificial intelligence.

RT-11 SIG

Tom Provost, RT-11 SIG Chairman

RT-11 users will find a number of interesting sessions at the Fall Symposium in Los Angeles. DEC will be presenting product panel presentations on Laboratory Applications, RT-11 F/B and Remote. Users will give papers on RT-11 extensions and an RT-RSTS interface. The SIG meeting, itself, will focus on user needs versus DEC plans for RT-11. Special attention will be given to RT-RSX compatibility. Representatives from the working committees for Newsletter, Standards, Library, Documentation and Help for new users, will discuss progress and future plans.

Of particular interest are papers scheduled on Tuesday, December 2nd. Users from the University of Waterloo will deliver a paper on WATFOR-11-RT. WATFOR-11-RT is a new version of WATFOR-11. This new compiler is designed to operate under RT-11. Like WATFOR-11, WATFOR-11-RT is a "load-and-go" in-core compiler designed to quickly process large batches of small FORTRAN jobs. Steve Poulsen from OMSI will present a paper on OMSI/APL/11 a programming language implemented on a PDP-11. One of the two versions of OMSI APL/11 is a single user system, running under an RT-11 operating system with at least 16K of core. Chuck Vollum from OMSI will discuss INTERLISP for the PDP-11. INTERLISP-11 is an implementation of INTERLIST (interactive LISP) for the PDP-11 under the RT-11 operating system. Basically, INTERLIST is a slightly extended version of LISP 1.5 combined with a set of sophisticated user support functions that facilitate interactive use of the LISP system.

RSX-11 SIG

Roger Vossler for RSX-11 SIG
Mark Lewis, RSX-11 SIG Chairman

RSX-11 activities planned for the 1975 Fall DECUS Symposia are both in depth and extensive. Sessions are planned to meet the needs of the new users as well as the experienced, sophisticated users of RSX-11 software systems. There will be formal papers, several product panels, workshop sessions and informal sessions presented by Digital, the users, the RSX-11 SIG, and even RSX Local User Groups (LUGS). The RSX-11 sessions begin on Tuesday, December 2nd, and extend through Friday. Significant events of the four day DECUS RSX-11 schedule are discussed in the following paragraphs.

The RSX-11 activity begins on Tuesday with a Real Time Family Plan and Strategy Panel presentation by Clayborn Neal of Digital. Later Tuesday evening, will be a RSX-11 New Users informal session in which new users can meet

older users of RSX-11 as well as Digital personnel and learn more about the world of RSX-11. This is followed by the first RSX-11 SIG General Session on Wednesday morning. After this will be a Real Time Systems Compatibility Workshop which will address Real Time Family Plan and Strategy concerns both past, present, and future.

Thursday morning is devoted primarily to privacy issues and contains sessions which will be of interest to RSX people. In the afternoon, there will be a second panel by Digital concerning software engineering followed by a double session concerning RSX Documentation policies and practices and concerning RSX program library issues.

On Friday, there are a number of RSX sessions. First, there is the second RSX SIG General Session followed by a RSX Industrial Users Session in parallel with a session concerning RSX-11 system and files details. In the afternoon, there will be three formal papers on RSX-11 language in parallel with a session devoted to RSX LUG activity. Finally, there will be a RSX languages Workshop.

The above sessions are designed to facilitate and stimulate technology transfer and interest between all facets of RSX-11 activity. DECUS is a vital element of this process. See you at the RSX Sessions in LA.

INDUSTRIAL

An overview of the Industrial Products Group systems offerings will be presented Thursday morning.

Special emphasis will be placed on new products such as the new local and remote Digital and analog I/O subsystem (ICS/ICR), the Power Management System and the programmable controller (IND14)/PDP-11 networks link.

A review of RSX-11S/M/D Family and DECNET as they apply to Industrial Applications will be presented.

An RSX-11 Industrial User Workshop has been scheduled on Friday. The ground rules for discussion from the floor during this informal and inevitably lively working group meeting are: 1. Keep your seats and 2. Don't throw anything!

One of the workshop subjects will include formulation of methods for demonstrating to Digital that satisfactorily resolving the more critical problems identified is, in the long term, in the interest of both the user community and Digital.

An Industrial System Application, in the context of this workshop includes: real-time applications involving data collection and management, high-performance, high throughput process control or laboratory automation systems and manufacturing automation and material handling systems.

NETWORKS

John Barr, Networks SIG Chairman

The Fall 1975 Symposium will offer several sessions on networking. Tuesday evening, Stu Wecker from Digital, will discuss the functional use of DECNET and the performance of the product. The remainder of the session will be used to answer questions on the design of DECNET and networks in general. We also hope to address functional requirements of networking not included in the current design.

On Friday, a panel of DECNET users, including field test site representatives, will discuss their experiences with the DECNET product. Represented on the panel will be users of DECNET under RSX-11M, RSX-11D and TOPS-10.

A paper presentation will be delivered on ABNET, a resource sharing network at Abbott Laboratories. ABNET is composed of five PDP-11's, one PDP-10 and one 370/158.

Users from Fermi National Labs will deliver a paper on BISON-NET. BISON-NET is a means of transmitting high energy physics from a small on line computer to a large central computer. At Fermi Labs, the central computer is a dual CDC 6600 System running scope. The MINI computers are PDP-11's, PDP-15's and HP2100 SIGMA-2's.

The NETWORK SIG Overview Session will recap the activities of the week and discuss future plans for the SIG.

OEM

John Alderman, OEM SIG Chairman

The OEM Special Interest Group activities will open with a General SIG Session. During this session, an overview will be presented on the activities of the SIG and future directions. Forms will be available during the meeting to join the OEM SIG.

A Product Panel has been scheduled with Digital Representatives. Some of the topics to be addressed are future software and hardware developments at Digital, OEM Contracts and the OEM Referral Program.

A panel has been scheduled which will discuss software management and Field Service.

A "Menu" Session has been scheduled Wednesday afternoon. Users will have an opportunity during this session to voice concerns on the areas in which they feel Digital should be concentrating their efforts.

There are common problems to all OEM's and by joining together, we are certain that these can be more easily solved than by individual action.

Join us, learn about Digital's new products and product line plans first and in detail. Meet responsible Digital Personnel concerned with OEM Products and sales. Voice your gripes, provide valuable feedback to Digital.

WEDNESDAY, DECEMBER 3RD					MINI/MIDI SESSIONS		
TIME	(A) Golden State Room	(B) Los Angeles Room	(C) Sierra Room	(D) New York Room	(E) Mission Room	(F) Boston Room	(G) Buffalo Room
8:30 - 9:00 (6.1)	RSX-11 Special Interest Group General Meeting	RSTS-11 Product Panel	PDP-8 Software Application Papers Session	PDP-15 Product Line Panel	Business/ Commercial Paper	Interfacing and MPS Product Panel	
9:00 - 9:30 (6.2)					DEBUG No.1		
9:30 - 10:00 (6.3)					Accounting Primer		
10:00 - 10:15	COFFEE BREAK - WILSHIRE ROOM						
10:15 - 10:45 (7.1)	RSX-11 System Compatibility Workshop	RSTS-11 Informal Discussion	PDP-8 Hardware Application Papers Session	XVM Tutorial	DEBUG No.2		
10:45 - 11:15 (7.2)					BIG-8 Accounting Firms		
11:15 - 11:45 (7.3)							
12:00 - 1:30	LUNCHEON - PACIFIC BALLROOM						
1:30 - 2:00 (8.1)	Multiprocessor Special Interest Group Meeting	REMOTE/ RT-11 Tutorial	OS/8 Special Interest Group Workshop and Meeting	RSX-15 Workshop	DEBUG No.3 General Ledger		Commercial RSTS Sub-SIG Meeting
2:00 - 2:30 (8.2)					DEBUG No.4 Corporate Management		
2:30 - 3:00 (8.3)							
3:00 - 3:15	COFFEE BREAK - WILSHIRE ROOM						
3:15 - 3:45 (9.1)	MCPU State of the Art and Work in Progress Panel	RT-11 F/B Product Panel	PDP-8 Software Application Papers Session	DOS-15, 9 Workshop	Business Products Group Panel	RSX-11 Papers Session	RSTS V4 Sub-SIG Meeting
3:45 - 4:15 (9.2)		RT-11 Special Interest Group Meeting					
4:15 - 4:45 (9.3)							
4:45 - 5:15 (9.4)							
6:30 - 8:00	RECEPTION - PACIFIC BALLROOM						

THURSDAY, DECEMBER 4TH				MINI/MIDI SESSIONS			
TIME	(A) Golden State Room	(B) Los Angeles Room	(C) Sierra Room	(D) New York Room	(E) Mission Room	(F) Boston Room	(G) Buffalo Room
8:30 - 9:00 (10.1)	Privacy Implication Overview and Discussion	TOSS Papers Session	Graphics Paper	ADSS B/F Workshop	RSTS Papers Session	Industrial Product Spectrum	
9:00 - 9:30 (10.2)			New Graphics Users Tutorial				
9:30 - 10:00 (10.3)			SIGIG Meeting				
10:00 - 10:15	COFFEE BREAK - WILSHIRE ROOM						
10:15 - 10:45 (11.1)	Privacy Implications and Implementations Panel	TPL Product Panel	Graphics-11 Product Line Workshop	Unichannel Tutorial	RSTS Papers Session	DOS/BATCH Papers Session	
10:45 - 11:15 (11.2)							
11:15 - 11:45 (11.3)							
12:00 - 2:00	LUNCHEON - PACIFIC BALLROOM - Keynote Speaker: Keith Uncapher, Director, U.S.C./Information Science Institute Marina Del Rey, California						
2:00 - 2:30 (12.1)	PDP-11 Privacy Panel	Microcomputer Selection Process	Graphics Software Session	18-bit Application Papers Session	RSTS Papers Session (Continued)	MUMPS Application Papers Session	
2:30 - 3:00 (12.2)							
3:00 - 3:15	COFFEE BREAK - WILSHIRE ROOM						
3:15 - 3:45 (13.1)	RSX-11 DECUS Program Library Workshop		Graphics-11 Processor Tutorial	18-bit Application Papers Session (Continued)	RSTS DBMS Product Panel	MUMPS Special Interest Group Meeting	Software Maintenance User Interaction Session
3:45 - 4:15 (13.2)							
4:15 - 4:45 (13.3)	RSX-11 Documentation Panel Discussion		Graphics Applications Papers				
4:45 - 5:15 (13.4)							
7:30 - 8:00 (14.1)				TECO as a Programming Language Panel	FILES-11 Workshop	BIOMED Special Interest Group Meeting	SCURT Meeting - (Southern California Local User Group)
8:00 - 8:30 (14.2)							
8:30 - 9:00 (14.3)							
9:00 - 9:30 (14.4)				Command Language Workshop			

FRIDAY, DECEMBER 5TH				MINI/MIDI SESSIONS			
TIME	(A) Golden State Room	(B) Los Angeles Room	(C) Sierra Room	(D) New York Room	(E) Mission Room	(F) Boston Room	(G) Buffalo Room
8:30 - 9:00 (15.1)	RSX-11 Steering Committee Public Session	PDP-11 System Software Panel	ANSI BASIC Standard Workshop	SIG-18 Meeting	EDUSIG	Continuous System Simulation on PDP-11	Biomedical Papers Session
9:00 - 9:30 (15.2)							
9:30 - 10:00 (15.3)			TC/D Field Test Paper				
10:00 - 10:15	COFFEE BREAK - WILSHIRE ROOM						
10:15 - 10:45 (16.1)	RSX-11 System Considerations Panel	RSX-11 Industrial User Workshop	NETWORKS		Education Papers		Biomedical Papers Session (Continued)
10:45 - 11:15 (16.2)				RSTS-11 Documentation Session			
11:15 - 11:45 (16.3)		RSX-11D Paper					
12:00 - 1:30	LUNCHEON - PACIFIC BALLROOM						
1:30 - 2:00 (17.1)	PDP-11 Languages Papers Session	RSX-11 LUG Session	NETWORKS (Continued)		Higher Education Papers Session	Secondary School Papers Session	Biomedical and AI Films
2:00 - 2:30 (17.2)			NETWORKS SIG Overview Session				
2:30 - 3:00 (17.3)							
3:00 - 3:15	COFFEE BREAK - WILSHIRE ROOM						
3:15 - 3:45 (18.1)	PDP-11 Languages Paper	Software Maintenance Service Panel	RSX-11 User Software Workshop	DECUS OPEN FORUM	On-Line Student Scheduling Paper	Education Papers	Biomedical Papers (Continued)
3:45 - 4:15 (18.2)	RSX-11 Languages Workshop						
4:15 - 4:45 (18.3)							
4:45 - 5:15 (18.4)							

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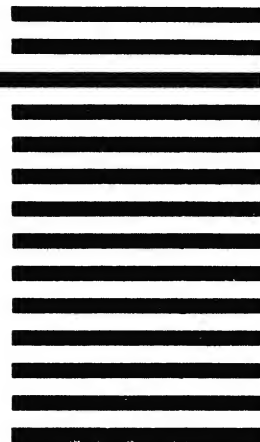
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Please add my name to the mailing list to receive information on the Fall 1975 Symposium.

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You will be sent information covering all aspects of the Mini/Midi segment of the symposium. We would, however, appreciate your effort in supplying the following information:

Please check:

Major Application Area:	<input type="checkbox"/> Education	<input type="checkbox"/> Laboratory	<input type="checkbox"/> Communications
<input type="checkbox"/> Computation	<input type="checkbox"/> Industrial	<input type="checkbox"/> Biomedical	<input type="checkbox"/> OEM
<input type="checkbox"/> Business/Commercial	<input type="checkbox"/> Other:		
Major Software System:	<input type="checkbox"/> RSTS	<input type="checkbox"/> RT-11	<input type="checkbox"/> DOS-11
<input type="checkbox"/> OS/8	<input type="checkbox"/> RTS-8	<input type="checkbox"/> RSX-PLUS	<input type="checkbox"/> ADSS
<input type="checkbox"/> B/F	<input type="checkbox"/> DOS/BOS	<input type="checkbox"/> DIAL	<input type="checkbox"/> RSX-11